"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

BUGAKOV, Yu.D.; SHEVCHENKO, I.Ye.

Some data on the reliability of strings in the core drilling of deep holes for coal. Razved. i okh. nedr 31 no.2:45-47 F '65. (MIRA 18:3)

1. Dnepropetrovskaya geologicheskaya ekspeditsiya Ukrainskogo nauchno-issledovatel'skogo geologorazvedochnogo instituta.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, J.

"How we organize the repair of tractors."

MECHANISACE ZEMEDELSTVI, Praha, Czechoslovakia, Vol. 5, No. 23, December 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, J.

AGRICULTURE

Periodical MECHANISACE ZEMEDELSTVI. Vol. 5, no. 24, Dec. 1955.

SHEVCHENKO, J. How we organize the repair of tractors. Tr. from the Russian. p. 473.

Monthly Listof East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

KOTOV, P. (Orel); SHEVCHENKO, K.; ALEKSANDRAYTIS, V.

Success can be achieved only by relying on a broad group of active members. Za rul. 15 no.7:2-3 Jl '57. (MLRA 10:9)

1. Predsedatel' soveta avtomotokluba, Dnepropetrovsk (for Shevchenko).
2. Predsedatel' soveta avtomotokluba, Kaunas (for Aleksandraytis).
(Dnepropetrovsk--Automobiles--Societies)
(Kaunas--Automobiles--Societies)
(Orel--Automobiles--Societies)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

MUKHIN, D.P.; SUSLOVA, A.L.; SHEVCHENKO, K.A.; BUNINA, S.S.; KOPEYKO, I.P.; KROPOTUKHINA, I.V.

Application of therapeutic sleep in pulmonary tuberculosis in thoracic surgery. Probl. tuberk., Moskva no. 4:11-15 July-Aug. 1952.
(CIML 22:5)

1. Senior Scientific Associate for Suslova; Scientific Associate for Shevchenko, Bunina, and Kopeyko; Clinical Departmental Head for Kropotukhina. 2. Of the First Surgical Clinic (Head -- D. P. Mukhin), Institute of Climatotherapy of Tuberculosis (Director -- Ye. D. Petrov), Yalta.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

1. MUKHIN, D. P. : SHEVCHENKO, K. A. : BUNINA, Z. S.

2. USSR(600)

4. Bronchi

7. Healing of bronchial fistulas following cavernotomy. Khirurgiia. no.11. 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. A.

"Treatment With Garlic Juice of Closed Lesions of Patients With Pulmonary Tuberculosis." Cand Med Sci, First Leningrad Medical Inst imeni I. P. Pavlov, Yalta, 1955. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

GIL'MAN, A.G.; GOROVENKO, G.G.; SHEVCHENKO, K.A.; SUSLOVA, A.L.; KHMELEVSKAYA, G.A.

Comparative study of the status of tuberculosis following pulmonary resection under climatic conditions of the southern shore of the Crimea and the central part of the Ukraine. Probl.tub. no.1:52-60 '62. (MIRA 15:8)

1. Iz khirurgicheskoy kliniki (zav. - prof. A.G. Gil'man) Instituta meditsinskoy klimatologii i klimatoterapii imeni I.M. Sechenova (dir. B.V. Bogutskiy).
(TUBERCULOSIS) (LUNGS--SURGERY)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

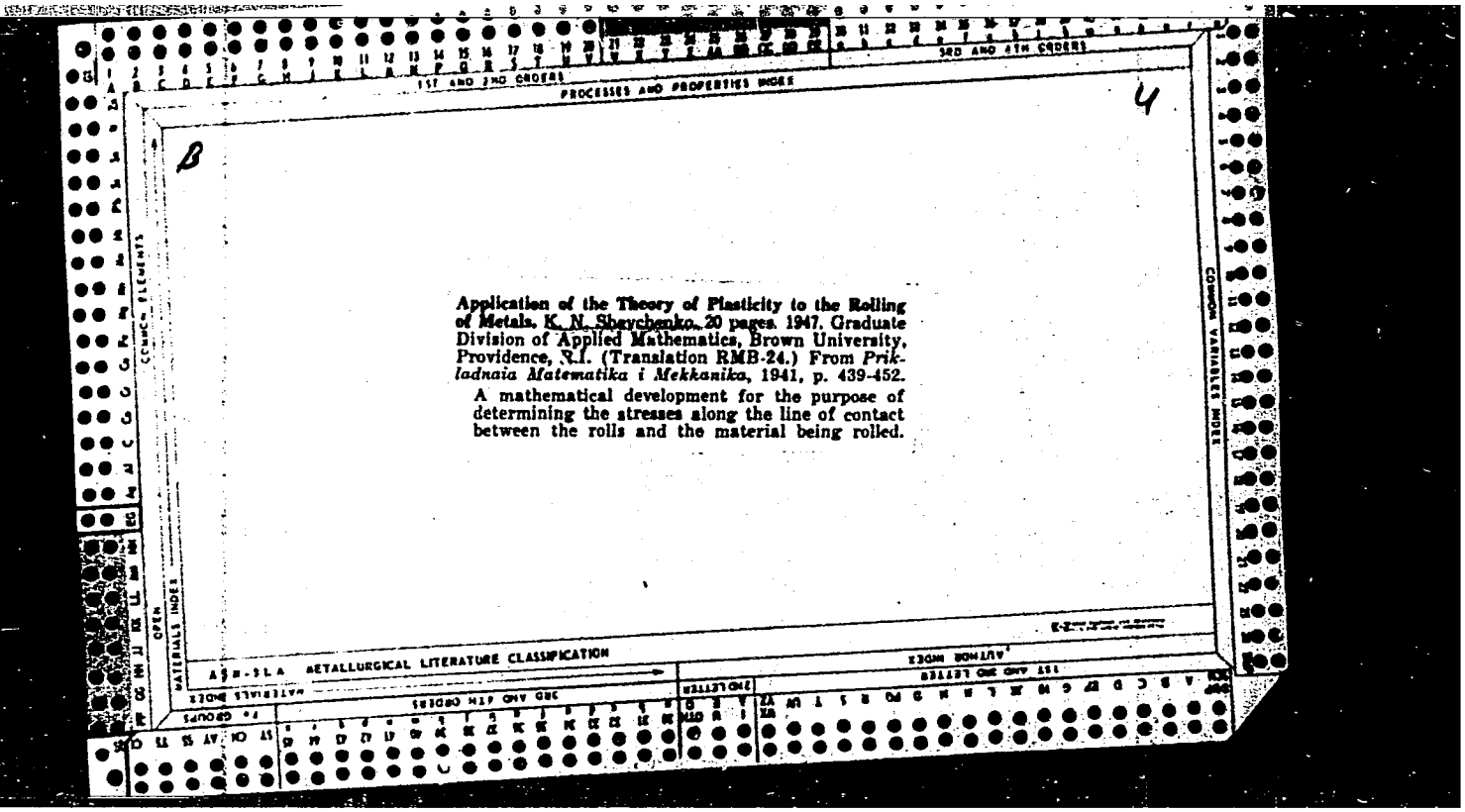
"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

Shevchenko, K. N.

"Application of the Theory of Plasticity to the Rolling of Metals",
Prikladnaya Matematika i Mekhanika, 1940, Vol 5, pp 439-452.

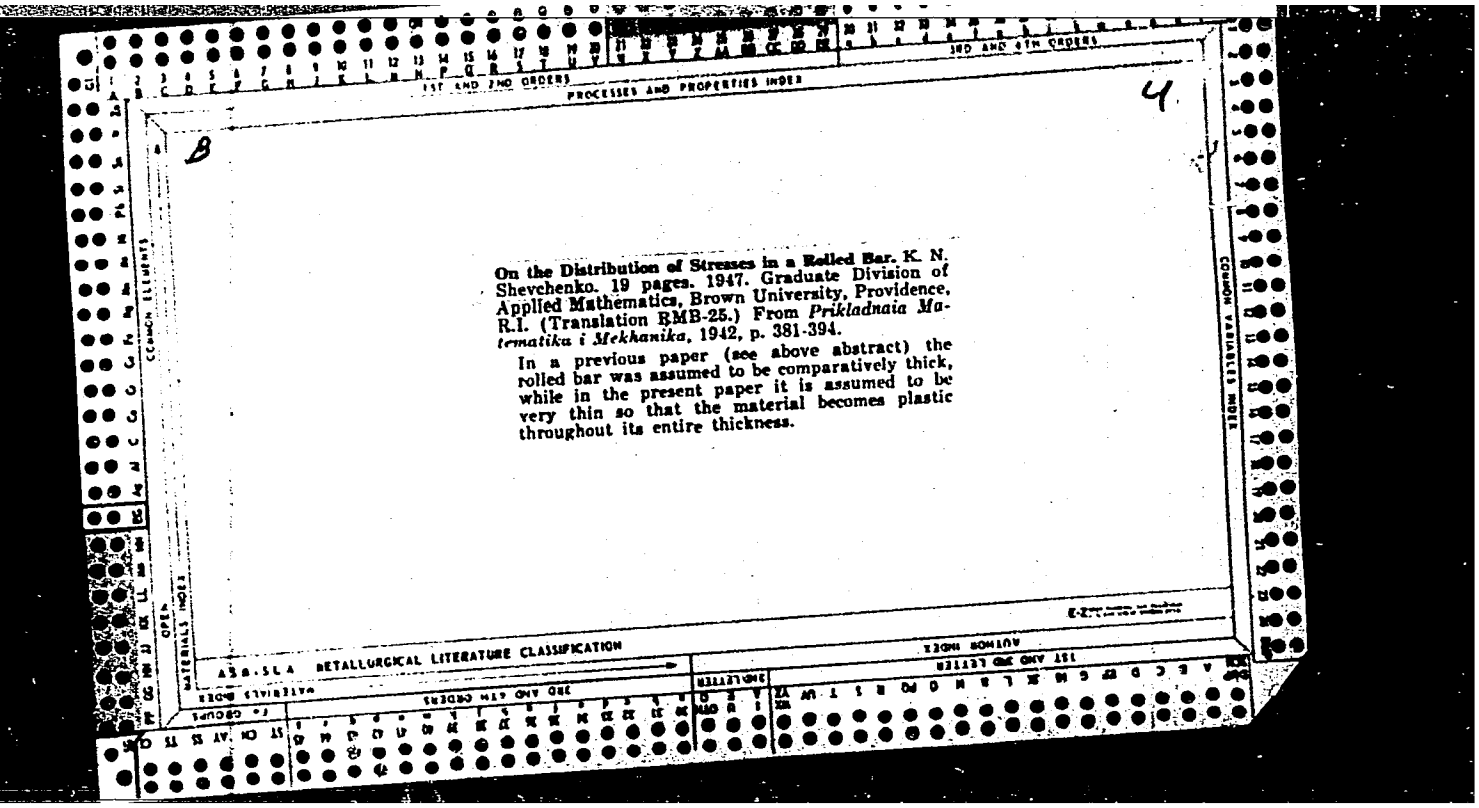
APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2


PROCESSES AND PROPERTIES INDEX
1ST AND 2ND ORDERS
3RD AND 4TH ORDERS
B
4
Application of the Theory of Plasticity to the Rolling of Metals. K. N. Sheychenko. 20 pages. 1947. Graduate Division of Applied Mathematics, Brown University, Providence, R.I. (Translation RMB-24.) From Prikladnaia Matematika i Mekkanika, 1941, p. 439-452.
A mathematical development for the purpose of determining the stresses along the line of contact between the rolls and the material being rolled.
METALLURGICAL LITERATURE CLASSIFICATION
AUTHOR INDEX
COMMON VARIABLES INDEX
OPEN MATERIALS INDEX

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

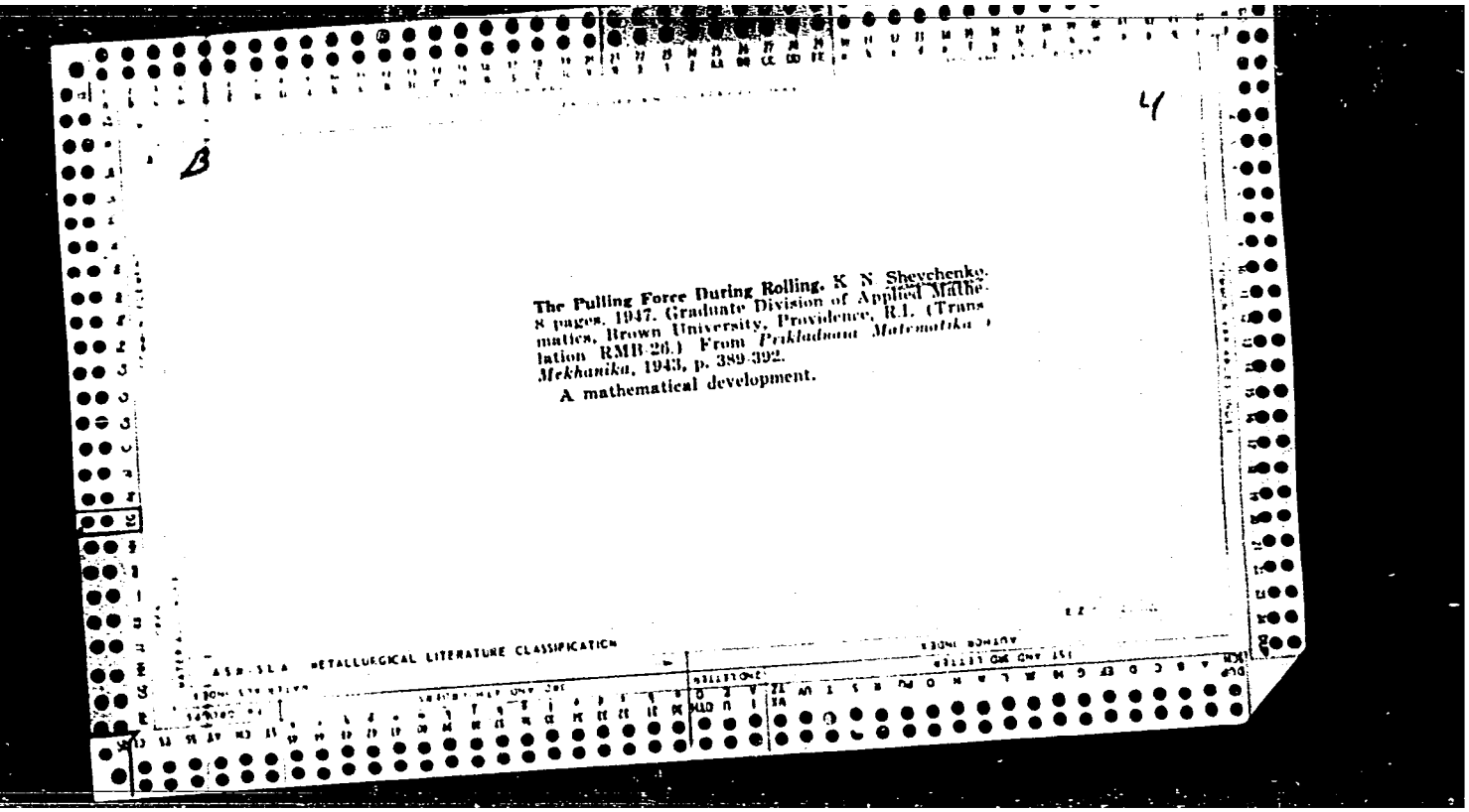


On the Distribution of Stresses in a Rolled Bar. K. N. Shevchenko. 19 pages. 1947. Graduate Division of Applied Mathematics, Brown University, Providence, R.I. (Translation RMB-25.) From *Prikladnaia Matematika i Mekhanika*, 1942, p. 381-394.

In a previous paper (see above abstract) the rolled bar was assumed to be comparatively thick, while in the present paper it is assumed to be very thin so that the material becomes plastic throughout its entire thickness.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2



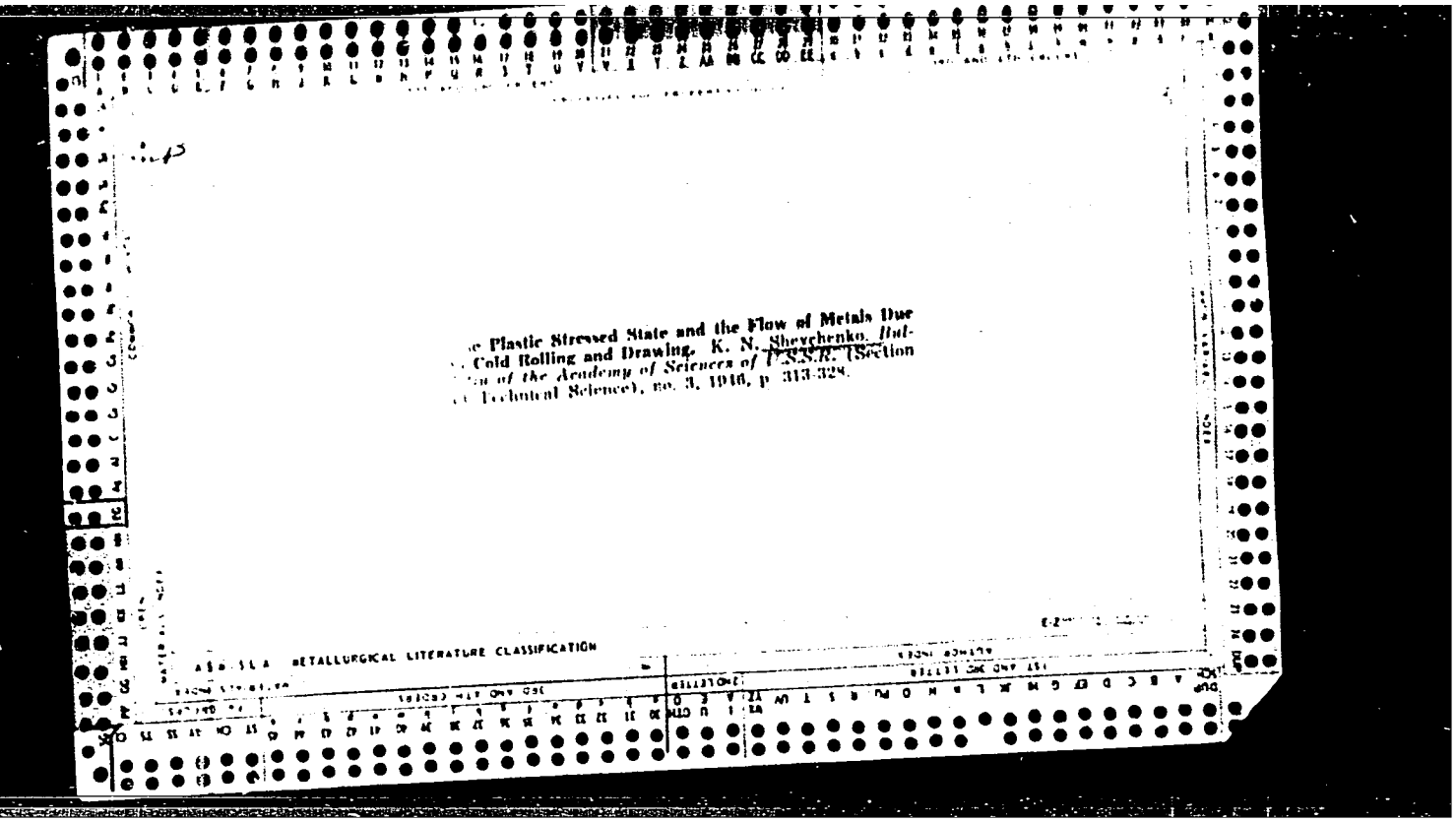
The Pulling Force During Rolling. K N Shevchenko. 8 pages. 1947. Graduate Division of Applied Mathematics, Brown University, Providence, R.I. (Translation RMB-26.) From *Prikladnaia Matematika i Mekhanika*, 1943, p. 389-392.

A mathematical development.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

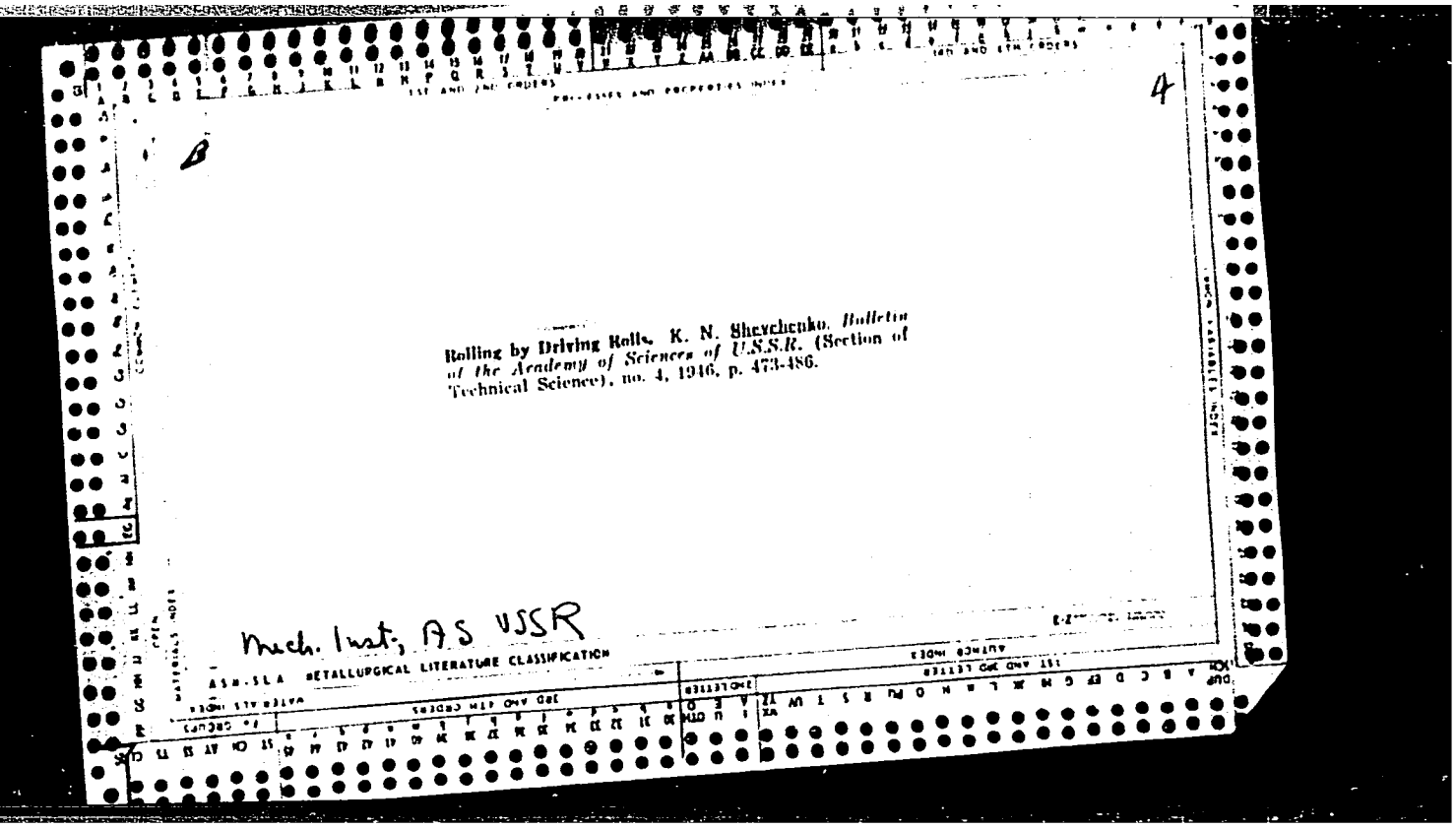


...e Plastic Stressed State and the Flow of Metals Dur...
... Cold Rolling and Drawing. K. N. Shevchenko. *Bul...*
...n of the Academy of Sciences of U.S.S.R.* (Section
... Technical Science), no. 3, 1946, p. 313-328.

ASTIA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2



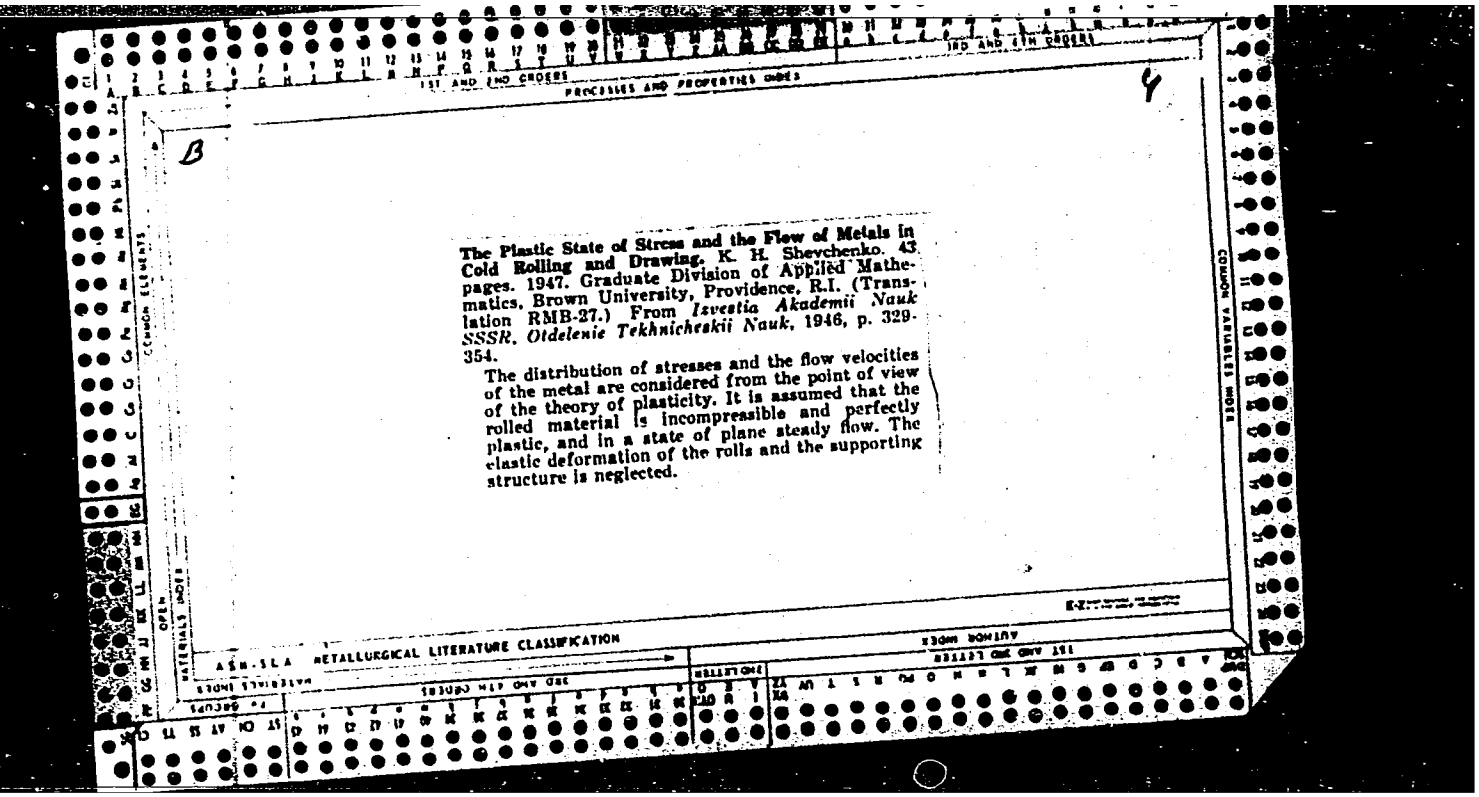
Rolling by Driving Rolls. K. N. Shevchenko, *Bulletin of the Academy of Sciences of U.S.S.R.* (Section of Technical Science), no. 4, 1946, p. 473-486.

Mech. Inst., AS USSR

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2



The Plastic State of Stress and the Flow of Metals in Cold Rolling and Drawing. K. H. Shevchenko. 43 pages. 1947. Graduate Division of Applied Mathematics, Brown University, Providence, R.I. (Translation RMB-27.) From *Izvestia Akademii Nauk SSSR, Otdelenie Tekhnicheskii Nauk*, 1946, p. 329-354.

The distribution of streases and the flow velocities of the metal are considered from the point of view of the theory of plasticity. It is assumed that the rolled material is incompreasible and perfectly plastic, and in a state of plane steady flow. The elastic deformation of the rolls and the supporting structure is neglected.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. N.

"Stressed Condition and Flow Rate of Metal in the Process of Rolling and Drawing a Strip." Sub 26 Jun 47, Inst of Mechanics, Acad Sci USSR

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. N.

USSR/Engineering
Metallurgy
Rolling

Oct 48

"Orovan's Work on the Theory of Rolling," I. Ya. Tarnovskiy, Cand Tech Sci, Ural Polytech Inst, K. N. Shevchenko, Cand Tech Sci, Inst of Mech, Acad Sci USSR, 3½ pp

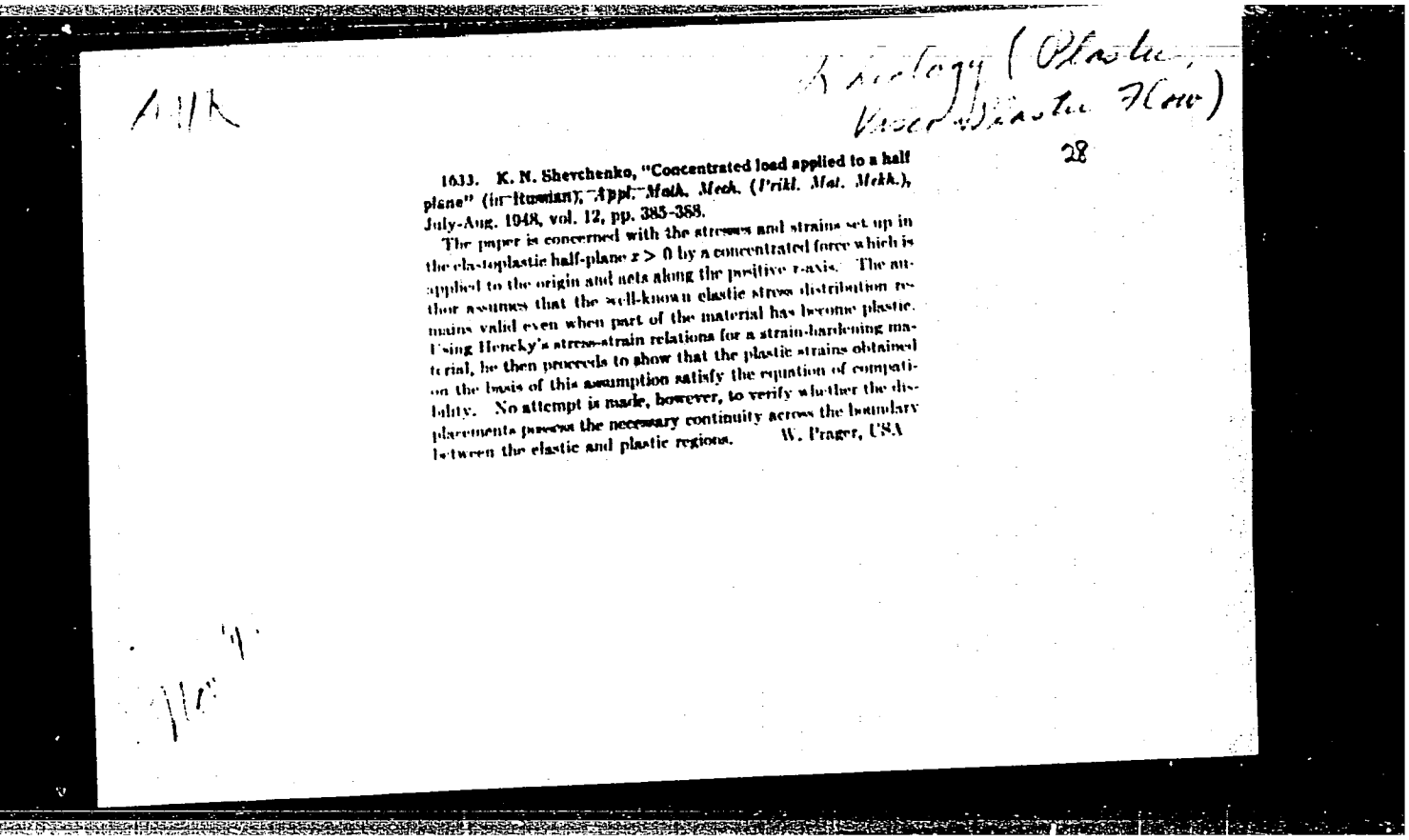
"Stal'" No 10

Attacks work of E. Orovan, English metallurgist, making frequent reference to achievements of Soviet scientists in this field.

PA 19/49T50

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2



28

1633. K. N. Shevchenko, "Concentrated load applied to a half plane" (in Russian), *Appl. Math. Mech.* (*Prikl. Mat. Mekh.*), July-Aug. 1948, vol. 12, pp. 385-388.

The paper is concerned with the stresses and strains set up in the elastoplastic half-plane $x > 0$ by a concentrated force which is applied to the origin and acts along the positive x-axis. The author assumes that the well-known elastic stress distribution remains valid even when part of the material has become plastic. Using Hencky's stress-strain relations for a strain-hardening material, he then proceeds to show that the plastic strains obtained on the basis of this assumption satisfy the equation of compatibility. No attempt is made, however, to verify whether the displacements possess the necessary continuity across the boundary between the elastic and plastic regions. W. Prager, USA

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.N.

USSR/Engineering
Mechanics
Mathematics, Applied

Jul 48

"Elastic Plastic Condition Under a Concentrated Force, Applied to a Semiplane," K. N. Shevchenko, Inst of Mech, Acad Sci USSR, 1½ pp

"Dok Ak Nauk SSSR" Vol LXI, No 1

The problem is to determine the disposition of tensions and deformations in a semisurface loaded with a vertical concentrated force. The elastic solution of this problem is well known. Shevchenko gives the elasticoplastic solution, taking linear hardening and incompressibility into account. Submitted 30 Apr 1948.

8/49T75

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. N.

"Approximate Solution of a Plane Elastic-Plastic Problem With Axial Symmetry in Closed Form," Prik. Matemat. i Mekh., 13, No. 3, 1949. Moscow Inst. Mechanics, Acad. Sci. USSR, -1949-

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

USSR/Physics - Elasticity Nov/Dec 50

"Elastic-Plastic Problem of a Heavy Half-Space With a Vertical Cylindrical Opening Cut Out," K. N. Shevchenko, Moscow, Inst of Mech, Acad Sci USSR

"Priklad Matemat i Mekh" Vol XIV, No 6, pp 587-592

Determines stresses and strains in subject half-space which are due to action of half-space's own weight. Material is assumed isotropic and to possess elastic-plastic properties. Solution is effected without taking compressibility into account. Submitted 27 Sep 49.

169T81

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.N.

Sevchenko, K. N. The elastic-plastic state due to a concentrated force applied to a half-plane. Ukrain. Akad.

[illegible] strains for [illegible] which is applied at the origin and acts along the positive x axis. The author assumes that the well-known elastic stress distribution remains valid even when part of the material has become plastic. Using Hencky's stress-[illegible] relations for a strain-hardening material, he then proceeds to show that the plastic strains obtained on the basis of this assumption satisfy the equation of compati-

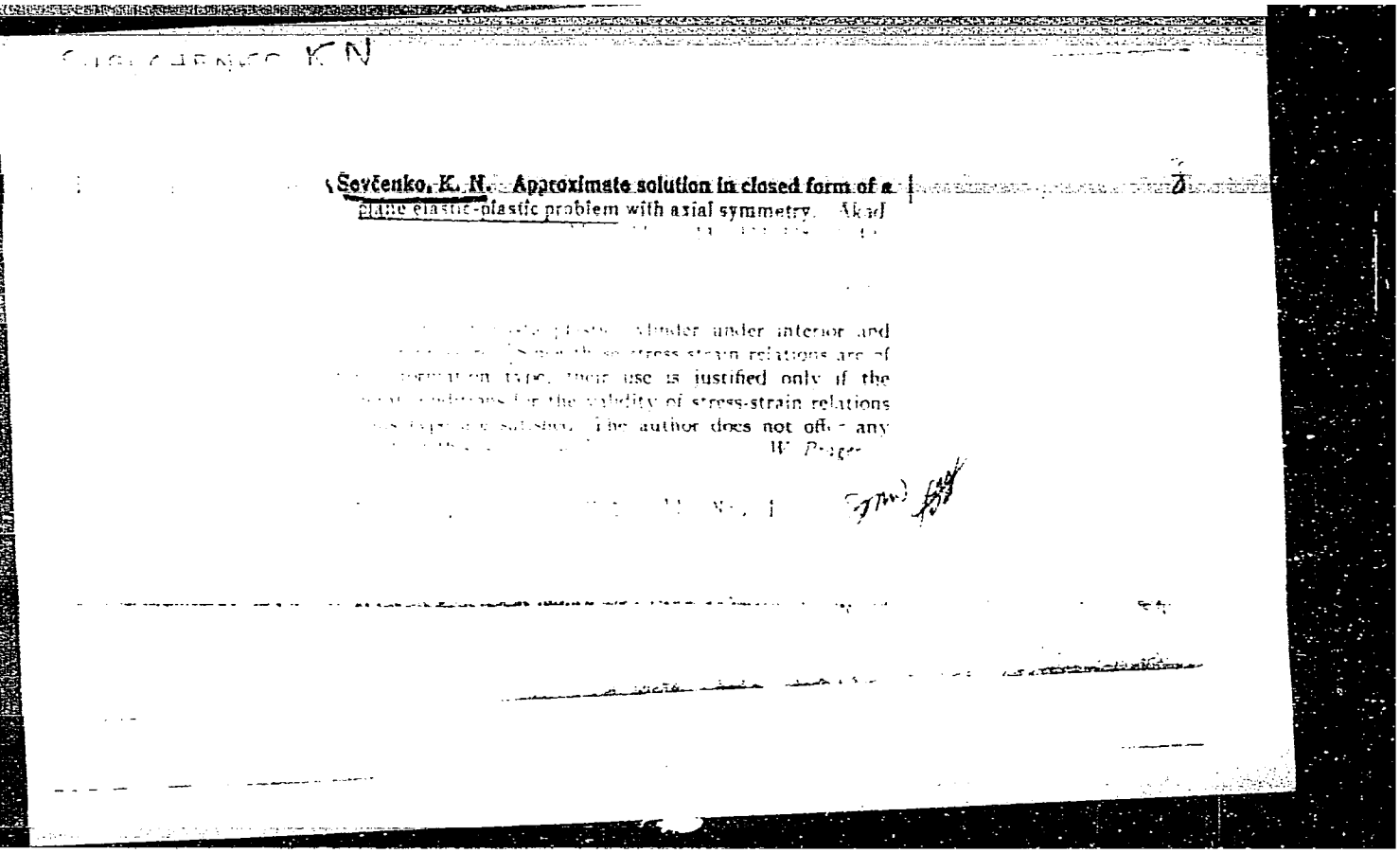
W. Prager (Providence, R. I.).

Vol 10, No. 1

Subject: Mathematical devices.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2



Sovčenko, K. N. Approximate solution in closed form of a plane elastic-plastic problem with axial symmetry. Akad

[illegible] under interior and [illegible] stress-strain relations are of [illegible] type, their use is justified only if the [illegible] conditions for the validity of stress-strain relations [illegible] solution. The author does not offer any

W. Prager

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

~~SHEVCHENKO, K. N.~~

Sevcenko

Šovčenko, K. N. The ~~elastic-plastic~~ problem for a heavy half-space with a vertical cylindrical cut-out. Akad. Nauk SSSR. Prikl. Mat. Meh. 14, 587–592 (1950). (Russian)

The author considers a half-space with a cylindrical hole extending through it perpendicular to the surface. The surface is assumed free from loading, and stress and strain dis- [illegible] of the half-space are deter-

[illegible] Mathematical Reviews

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. N.

PA 187T50

USSR/Mathematics - Elasticity Jul/Aug 51

"Axially Symmetrical Problem of Elasticity of Plate Weakened by a Circular Cut," K. N. Shevchenko, Inst of Mech, Acad Sci USSR

"Prik Matemat i Mekh" Vol XV, No 4, pp 519-520

Particular soln of problem previously treated by author (cf. "Prik Matemat i Mekh" Vol XIV, No 6) for a circular cut and under axial load. Results of computation tabulated. Submitted 20 Feb 51.

187T50

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. N.

USSR/Mathematics - Deformation Jan/Feb 52

"Flat Elastic-Plastic Deformation of a Cylinder Loaded by an Equilibrial System of Two Concentrated Forces," K. N. Shevchenko, Moscow, Inst of Mech, Acad Sci USSR

"Prik Matemat i Mekh" Vol XVI, No 1, pp 35-44

Attempts by approx schemes to explain complex mechanism of cavity formation. Further study is required for more detailed analysis. Discusses plane problem of distribution of plastic and

203T55

USSR/Mathematics - Deformation (Contd) Jan/Feb 52

elastic deformations in cylindrical cross section under action of 2 concd forces. Derives approx soln under assumption of incompressibility of material. Submitted 27 Jul 51.

203T55

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.

2

Abstract

729. Shevchenko, K., Plane problem for an infinite elastic medium weakened by a circular, cylindrical area (in Russian), *Doklady Akad. Nauk SSSR* (*N.S.*) 89, 5, 799-800, Apr. 1953.

Under the hypotheses that in the cylindrical area two equal and opposite forces p act, and that at infinity the stresses equal δ_0 in all directions, author solves this problem under the condition that the boundary of area is not stressed.

Using bipolar coordinates α, β, he gives the fundamental equations of the plane theory of elasticity. Assuming that the stresses $\delta\alpha$, $\delta\beta$ outside of this area depend on the integral functions $\varphi(\beta)$, because of the symmetry and boundary conditions at infinity there is obtained $\varphi(\beta) = -2\delta_0 \sin\beta$. The stresses are $\delta\alpha = \delta_0(2\text{Ch}\alpha - \cos\beta)\cos\beta$; $\delta\beta = \delta_0 \cos^2\beta$. Between p and δ_0 the relation is $p = \delta_0\pi$. [See AMR 5, Rev. 2018.]

D. Rašković, Yugoslavia

Applied Mechanics Reviews, V. 7 Nov. 1954 Elasticity Theory

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. N.

"Stress and Deformation During the Process of Cold Rolling Bars," page 69

"Stress and Deformation for Some Simple Sheet Stamping," page 80

"Flexible-Plastic Deformation of Spheres When Under Equally Distributed Internal Pressure," page 97

The above chapters are in the book "Problems on Strength and Deformation of Metals and Alloys," released by the Moscow Engineer-Physics Inst., Mashgiz, 1954

TABCON D-342613, 24 Oct 55

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.N., doktor tekhnicheskikh nauk, professor.

Stress and deformation in cold strip rolling with hardening taken into consideration. Sbor.nauch.rab.MIFI no.8:69-79 '54. (MLRA 9:3)
(Steel--Cold working) (Strains and stresses)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.N., doktor tekhnicheskikh nauk, professor.

Elastic and plastic deformations of a spherical shell under equally distributed pressure. Sbor.nauch.rab.MIFI no.8:97-107 '54. (MLRA 9:3)

(Elastic plates and shells)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

20-3-13/59

AUTHOR: Shevchenko, K.N.

TITLE: The Elasto--Plastic Deformation of a Plane Caused by the Action of a Concentrated Force (Uprugo-plasticheskaya deformatsiya ploskosti, vyzvannaya deystviyem sosredotochennoy sily)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 3, pp. 473-474 (USSR)

ABSTRACT: In a plastic treatment the present paper solves one of the classical problems of the theory of elasticity, namely the problem of the distribution of tensions and deformations caused in a plane by the action of a concentrated force. At first the solution of the corresponding elastic problem is given. The sought solution of the elasto-plastic problem is here determined with consideration of the law of linear consolidation in the plastic domain and of the incompressibility of the material in the elastic and in the plastic domain. The components of the strain and the deformation in the elastic and in the plastic domains must satisfy the system of the equilibrium conditions $\frac{\partial}{\partial r}(r\sigma_r) + \frac{\partial r}{\partial \theta} - \sigma_\theta = 0$, $\frac{\partial \sigma_a}{\partial \theta} + \frac{1}{r}\frac{\partial}{\partial r}(r^2\sigma) = 0$

Card 1/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

The Elasto-Plastic Deformation of a Plane Caused by the Action of a Concentrated Force

and the compatibility condition of the deformations $\frac{\partial^2 \varepsilon}{\partial \theta^2} - r\frac{\partial \varepsilon}{\partial r} + \frac{\partial}{\partial r}(r^2\frac{\partial \varepsilon_\theta}{\partial \theta} - r\frac{\partial \gamma}{\partial \theta}) = 0$. For the connection between the components of the deformation and the strain applies $\varepsilon_r = -\varepsilon_\theta = -\frac{\psi}{4}(\sigma_r - \sigma_\theta)$. In this connection ψ signifies an unknown function and in the elastic domain $\psi = 1$ is valid. The boundary conditions of the problem are reduced to the fact that the state of stress decreases to zero in infinity. The consolidation of the material is approximated by a linear function. The author obtains the solution $\sigma_r = -(P/\pi)\cos\theta/r$, $\sigma_\theta = \tau = 0$. In this connection P signifies the force referred to the unit of the thickness of plate. The boundary of the plastic domain is formed by two circles which meet in that point where the forces are applied. For the diameter of the plastic domain applies $d_s = \pm r/\cos\theta = P/2\pi$. There is 1 figure and 2 Slavic references.

Card 2/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

AUTHOR: Shevchenko, K.N. (Moscow) SOV/24-58-9-28/31

TITLE: Letter to the Editors (Pis'mo v redaktsiyu)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 9, p 151 (USSR)

ABSTRACT: In Nr 2 (1958) of the present journal, a note by D.D. Ivlev, entitled "On Some Papers of K.N. Shevchenko on the Theory of Plasticity" was published. One point which is mentioned in that paper, namely, the fact that there is a discontinuity in the displacement vector on the boundary between the elastic and plastic zone in the case of a plane subjected to a localised force, is treated in the author's paper on p 152 of the present journal (this issue). The present author now argues that: a) Eq (1) in Ivlev's paper is useless; b) Ivlev derives completely incorrect expressions (Eqs 5-7) and ascribes them to the present author; c) Ivlev has not understood the present author's papers.

Card 1/1

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

AUTHOR: Shevchenko, K.N. (Moscow) SOV/24-58-9-29/31

TITLE: On the Method of Solution of Some Problems of Elasticity and Plasticity (K voprosu o metode resheniya nekotorykh uprugo-plasticheskikh zadach)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 9, pp 152 - 155 (USSR)

ABSTRACT: In previous papers (Refs 1-3), the author has given a solution of one elasto-plastic problem, namely, the distribution of stresses and deformations in a plane subjected to a localised force under a linear law of hardening. It was assumed in that solution that there is a single law for the stresses in both the elastic and plastic zones. Since in this solution the displacement vector on the boundary between the elastic and plastic regions experiences a finite discontinuity, it became necessary to investigate further the above assumption. This discontinuity is due to a discontinuity in the hardening properties of the material on the boundary of the plastic zone. The elasto-plastic problem for a plane loaded with a localised force is considered. The co-ordinate axes are shown in Figure 1. It is required

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to determine the stresses, the deformations and displacements in the elastic and plastic regions. In addition to boundary conditions one has continuity conditions for the components of stress, deformation and displacement on the boundary between the plastic and the elastic regions. The stress and deformation components in both regions must satisfy the following equilibrium equations:

$$\frac{\partial}{\partial r}(r\sigma_r) + \frac{\partial \tau}{\partial \theta} - \sigma_\theta = 0 \,,$$

$$\frac{\partial \sigma_\theta}{\partial \theta} + \frac{1}{r}\frac{\partial}{\partial r}(r^2\tau) = 0 \qquad (1.1) \,,$$

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On the Method of Solution of Some Problems of Elasticity and Plasticity

$$\frac{\partial^2 \varepsilon_r}{\partial \theta^2} - r\frac{\partial \varepsilon_r}{\partial r} + \frac{\partial}{\partial r}\left(r^2 \frac{\partial e_\theta}{\partial r} - r\frac{\partial \gamma}{\partial \theta}\right) = 0 \quad (1.2) .$$

It is shown that in the present problem the distribution of stresses in both the plastic and elastic regions is the same, namely:

$$\sigma_r = -\frac{2P}{\pi}\frac{\cos\theta}{r}, \quad \sigma_\theta = \tau = 0 \quad (2.1)$$

There are 3 figures and 3 Soviet references.

SUBMITTED: July 14, 1958

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S/180/60/000/02/010/028
E111/E135

Stress and Flow of Metal in Some Problems in Volume and Profile Rolling

author deduces the contact friction from an estimate of the strains in the deforming zone. Some problems which can be dealt with in this way are insoluble by other methods, e.g. by the theory of small plastic deformations. The first section is devoted to the rolling of narrow strip in smooth rolls. Some of the matter in considering the widening of the strip was included in the author's paper at the 1956 Brussells Congress on Applied Mechanics (Ref 2) and in a paper by Arutyunov (Ref 3). The results are applicable for instance on the blooming or slabbing mill process. Next the author discusses the rolling of a rectangular profile between two pairs of flat rolls, giving solutions for: pure drawing, where contact friction is ignored; conditions where inside the strip the longitudinal component of stress is zero; conditions where friction stays constant at a positive value; conditions where friction is a function of the relative speed of contact friction of the metal. Finally the author examines

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.N. (Moskva)

Setting of the plasticity problem for an anisotropic body. Inzh. sbor. 31:86-92 '61. (MIRA 14:6)
(Plasticity)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K.N.; MAMEDOV, I.A.

Direction of the flow rate of a metal in strip rolling. Dokl. AN Azerb. SSR 18 no.12:7-11 '62. (MIRA 16:11)

1. Institut mekhaniki AN SSSR i Institut matematiki i mekhaniki AN AzerSSR. Predstavleno akademikom An AzerSSR Z.I. Khalilovym.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

[redacted], N. P., Eng.

Electric Power Production - Accounting

24-hour cost accounting at an electric power station. Elek. sta., 23, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, K. T. (USSR)

"Clinico-morphological data on the variability of malignant tumours."

report submitted for the European Conference on Tumor Biology (4 ICC),
Warsaw, Poland
22-27 May 1961

Shevchenko, K. T.-Roentgeno-radiological and Oncological Inst., Tolstoy Street 7, Kiev

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

VEDERNIKOV, M.; PRIZHKO, M., prepodavatel'; SHEVCHENKO, L., master proizvodstvennogo obucheniya

Radio electronics laboratory. Prof.-tekh. obr. 20 no.3:6-7 Mr '63. (MIRA 16:3)

1. Direktor Severodonetskogo tekhnicheskogo uchilishcha No.4 Luganskoy oblasti (for Vedernikov).
(Electronic technicians—Education and training)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

PEKAR', P.P., starshiy nauchnyy sotrudnik; SHEVCHENKO, L.A. (Bobrinets) GUN, S.I. (Genichesk); RYBINA, N.A. (Novo-Ukrainka); PASECHNIKOVA, I.G. (Bereznigovatoye); MATVEYEVA, Ye.M. (ARBUZINKA); PODOL'SKIY, L.G. (Starokazatskoye); GRISHAYEVA, A.P. (Peschanoye); PYATOVA, A.S. (Varvarovka)

Efficacy of artificial pneumothorax in pulmonary tuberculosis patients under rural conditions. Probl. tub. no.8:71-75'62. (MIRA 16:9)

1. Iz Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - starshiy nauchnyy sotrudnik M.A.Yerusnikin).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

IYERUSALIMSKIY, N.D.; SHEVCHENKO, L.A.; GRISHANKOVA, Ye.V.

Change in some physiological requirements of yeasts as a result of adaptation to streptomycin. Mikrobiologiia 32 no.1: 13-16 '63 (MIRA 17:3)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, LUKA ANDREYEVICH

FRIDLAND, Abram Ionovich, SHEVCHENKO, Luka Andreyevich; SHTEYN, M., redaktor; ZMIY, V., tekhnicheskiy redaktor

[New techniques in pipe drawing practices of the Lenin pipe rolling plant] Novoe v volochenii trub; iz opyta raboty Truboprokatnogo ordena Lenina zavoda im. Lenina. [Dnepropetrovsk] Dnepropetrovskoe obl.izd-vo, 1956. 36 p. (MIRA 10:9)
(Drawing (Metalwork)) (Pipe, Steel)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

REVO, M.V., zasluzhennyy deyatel' nauki USSR, doktor meditsinskikh i veterinarnykh nauk, professor; SHEVCHENKO, L.A., redaktor; CHEREVATSKIY, S.A., tekhnicheskiy redaktor

[Viruses and viral diseases of domestic animals] Virusy i virusnye zabolevaniia sel'skokhoziaistvennykh zhivtnykh. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1956. 495 p. (MLRA 10:2)
(Veterinary medicine) (Virus diseases)

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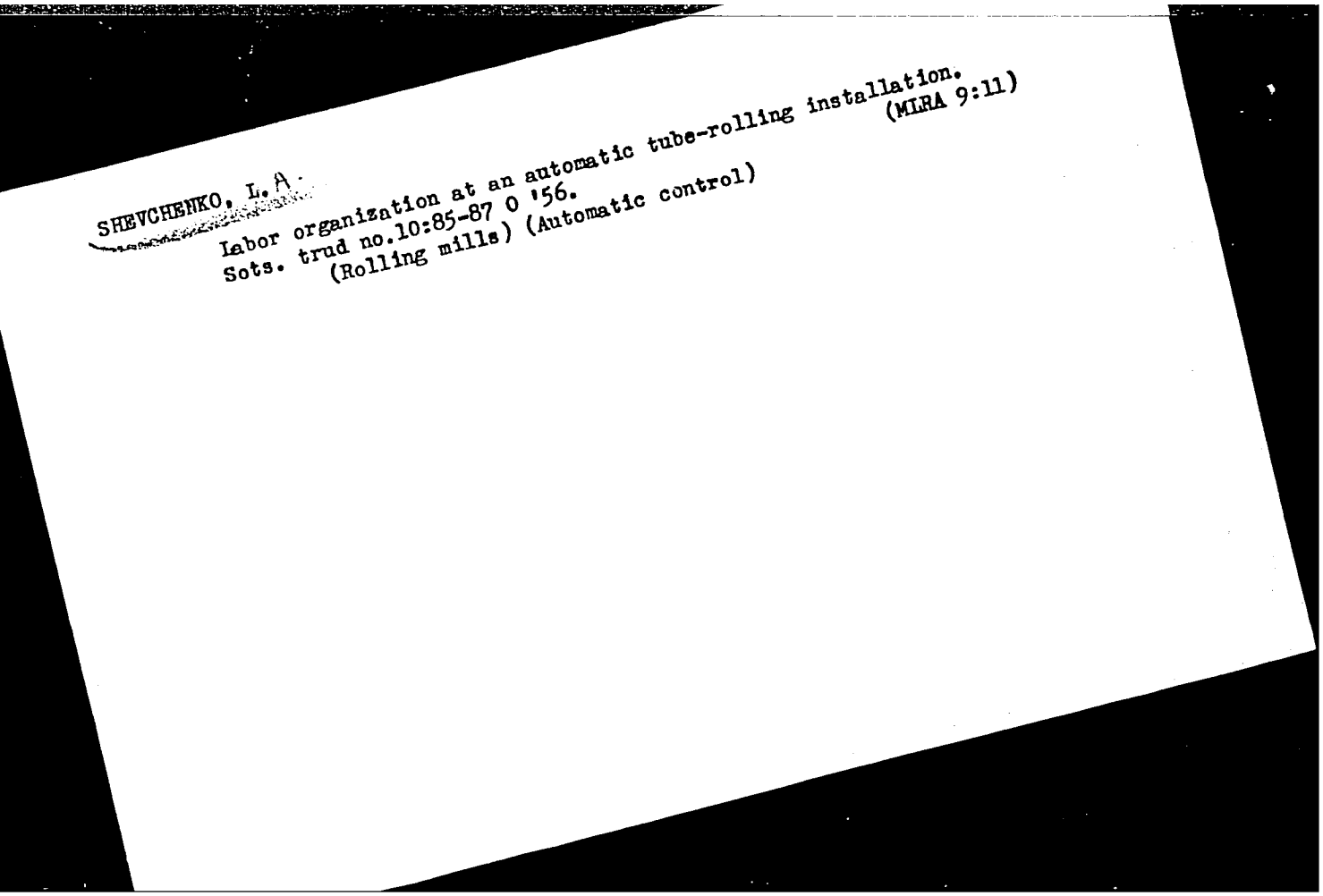
"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2



SHEVCHENKO, L.A.

Labor organization at an automatic tube-rolling installation. (MLRA 9:11)
Sots. trud no.10:85-87 O '56.
(Rolling mills) (Automatic control)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A.

BARTOSH, Ya.T., kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M., kandidat tekhnicheskikh nauk; SHEVCHENKO, L.A., inzhener.

Gas turbine locomotive with two-stage fuel combustion. Vest. TSNII MPS 15 no.1:3-8 Ag '56. (MLRA 9:12)

(Gas turbine locomotives)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A., inzh.

Characteristics of a locomotive single shaft gas-turbine system under partial loads. Trudy TSNII MPS no.187:27-42 '60. (MIRA 13:11)

(Gas-turbine locomotives)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

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PHASE I BOOK EXPLOITATION

Fridland, Abram Ionovich, and Shevchenko, Luka Andreyevich

Peredovoy opyt organizatsii truda v turbovolochil'nom proizvodstve (Modern Practice in Work Organization of Pipe-drawing Mills) Khar'kov, Metallurgizdat, 1957. 93 p. 1,500 copies printed.

Resp. Ed.: Nikolayevskiy, Yu. I.; Tech. Ed.: Andreyev, S. P.

PURPOSE: The booklet is intended for workers in pipe-drawing production.

COVERAGE: The booklet deals with progressive work methods developed at the Dnepropetrovsk pipe mill imeni Lenin designed to improve production and labor productivity in pipe drawing. Various organizational and technological schemes and measures are discussed. Ways of analyzing, generalizing, and making available to the industry the progressive work methods developed by forge hammer and bench operators in the process of production are presented. No personalities are mentioned. There are no references.

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Modern Practice in Work (Cont.)

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Description of the Technological Process	5
Progressive Methods in Forging Shops	10
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Constructing Rubber-coated Pickling Vats	19
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Modern Practice in Work (Cont.) 767

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

Shevchenko, L.A.

130-12-2/24

AUTHOR: Shevchenko, L.A., and Urin, L.I.

TITLE: Utilisation of Reserves for Increased Labour Productivity (Ispol'zovaniye rezervov povysheniya proizvoditel'nosti truda)

PERIODICAL: Metallurg, 1957, No.12, pp. 3 - 4 (USSR).

ABSTRACT: The imeni Lenin (imeni Lenina) Dnepropetrovsk Tube-rolling Mill had a labour productivity in the first half of 1957 7.1% higher than in the same period of 1956 and the authors discuss the measures which have led to this improvement. These included competitions, better labour organisation, mechanisation, automation and the adoption of advanced working methods and have continued since the end of the war. The authors give details of technological measures, such as the use of longer skelp, the adoption of magnesite-chromite roofs in open-hearth furnaces, better piercing techniques with improved mandrels, higher drawing rates, reconstruction of the continuous mill in 1955, automation and mechanisation of hot ingot handling in the strip mill. Shop and inter-shop schools were organised to spread successful techniques, and the following are named as authors of such techniques: Polich, Sozar', Sitalo, Bodnev, Ivchenko, Zhuravl' and Shur.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A., inzh.

Heat recovery in locomotive gas-turbine units equipped with air boilers. Vest. TSNII MPS 17 no.2:28-33 Mr '58. (MIRA 11:4)
(Locomotives) (Heat regenerators)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SEN-ZHELEN, Ye.A., inzh; SHEVCHENKO, L.A.

Gas-turbine locomotives manufactured by General Electric.
Vest. TSNII MPS [17] no.7:60-63 N '58. (MIRA 11:12)
(United States--Gas-turbine locomotives)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SOV/133-59-5-17/31

AUTHORS: Smolovikov, B.D. and Shevchenko, L. A.

TITLE: A Mechanism for Feeding Metal in Rolls of a Rolling Mill (Mekhanizm dlya zadachi metalla v valki prokatnogo stana)

PERIODICAL: Stal', 1959, Nr 5, pp 441 - 443 (USSR)

ABSTRACT: A mechanism for feeding metal into rolls (proposed by B.D. Smolovikov) operating on a three-high mill rolling strip for the manufacture of tubes is described and illustrated (Figures 1,2). The use of the forced feeding of the mill increased its output by 5%.
There are 2 figures.

ASSOCIATION: Dnepropetrovskiy truboprokatnyy zavod im. Lenina (Dnepropetrovsk Tube Rolling Works imeni Lenin)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

BARTOSH, Ye.T., kand. tekhn. nauk, Shevchenko, L.A., inzh.

Prospects for using gas-turbine locomotives. Zhel. dor. transp. 41 no.4:16-20 Ap '59. (MIRA 12:6)
(Gas-turbine locomotives)

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PHASE I BOOK EXPLOITATION SOV/4546

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta

Voprosy gazoturbovozostroyeniya i transportnoy teploenergetiki; sbornik statey (Problems in Gas-Turbine Locomotive Building and Heat-Power Engineering in Transportation; Collection of Articles) Moscow, Transzheldorizdat, 1960. 214 p. (Its: Trudy, vyp. 187) 1,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta.

Eds. (Title page): Ye. T. Bartosh, Candidate of Technical Sciences, and A.V. Kas'yanov, Candidate of Technical Sciences; Ed. (Inside book): I.K. Petushkova; Tech. Ed.: P.A. Khitrov.

PURPOSE: This book is intended for engineering and technical personnel.

COVERAGE: The book consists of 13 articles on the results of theoretical investigation of gas turbine units with two-stage fuel combustion, and on theoretical and laboratory investigations of air tank units and their components. Special features

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of variable regimes of locomotive gas turbine engines and problems of fuel economy in locomotive and stationary units are discussed. No personalities are mentioned. References accompany some of the articles.

TABLE OF CONTENTS:

Ivanov, I.A., Director of the Institute, and L.A. Isayev, Deputy Head of the Department of Power Engineering. Foreword 3

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Shevchenko, L.A., Engineer. Characteristics of a Locomotive Single Shaft Gas Turbine Unit Under Partial Loads 27

Meylikhov, M. Ye., Engineer. Investigation of Basic Diagrams of Gas Turbine Locomotive Air Regenerator Tanks 43

Syuzyumova, Ye. M., Candidate of Technical Sciences. Regulation of a Two-Stage Combustion Turbine Unit of a Gas Turbine Locomotive 71

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Bartosh, Ye. T., Candidate of Technical Sciences. Flow Distribution in Clusters of Pipes 89

Yevtushenko, A.M., Candidate of Technical Sciences. Cutting Principles of Self-Sealing, Equal-Section Gasket Rings 99

Kas'yanov, A.V., Candidate of Technical Sciences, Yu. Ye. Radin, Candidate of Technical Sciences, and Ye. P. Khil'kovskaya, Engineer. Aerodynamic Investigation of Gas Turbine Locomotive Air Tank Elements 110

Kulagin, L.V., Engineer. Determining Tolerances for the Dimensions of Centrifugal Fuel Swirlers 127

Chernomordik, B.M., Engineer, Candidate of Technical Sciences, and K.F. Dobrikov, Engineer. Influence of Generator Gas Composition on the Combustion Process in a Piston Chamber 139

Pavlov, S.F., Candidate of Technical Sciences. Experimental Investigation of Heat Exchange in Boiling on the Heating Surface of Clusters of Pipes 154

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

Postarnak, S.F., Engineer. Investigation and Selection of Types of Steam Turbines for Small Electric Power Stations 159

Samokhvalova, A.I., Engineer. Aerodynamics of the Combustion Chamber of a Jet-Layered Fire Box With Pneumatic Fuel Stoking 190

Yudayeva, Ye. M., Engineer. Test Stand Results of a Layered Fire Box in the Air Tank of a Gas Turbine Locomotive 202

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

KHAZEN, Moisey Mikhaylovich, prof., doktor tekhn.nauk; ZHIRITSKIY, G.S., prof., doktor tekhn.nauk, zasluzhennyy deyatel' nauki i tekhniki, retsenzent; SHEVCHENKO, L.A., kand.tekhn.nauk, red.; MEDVEDEVA, M.A., tekhn.red.

[Gas turbines for locomotives] Lokomotivnye gazoturbinnye ustanovki. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 419 p. (MIRA 13:9)
(Gas-turbine locomotives)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

DMITRENKO, P.A.; SHEVCHENKO, L.A.

Intensifying the aftereffect of phosphorus fertilizers.
Pochvovedenie no.7:74-80 '60. (MIRA 13:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya.
(Fertilizers and manures)
(Plants, Effect of phosphorus on)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A., kand.tekhn.nauk

Tractive and thermodynamic indices of gas-turbine locomotives with mechanical transmission. Trudy TSNII MPS no.214:4-18. 1961. (MIRA 14:8)

(Gas-turbine locomotives)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A., kand.tekhn.nauk; ZUYEVA, I.A., inzh.

Analyzing the theoretical diagrams of a locomotive gas-turbine engine. Trudy TSNII MPS no.214:19-28 '61. (MIRA 14:8)
(Gas-turbine locomotives)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

POSTARNAK, S.F., inzh.; SHEVCHENKO, L.A., kand.tekhn.nauk

Gas-turbine plants using water as an auxiliary working medium. (MIRA 14:8)
Trudy TSNII MPS no.214:167-181 '61.
(Gas turbines)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

S/262/62/000/002/001/017
I008/I208

AUTHOR: Shevchenko, L.A. and Zuyeva, I. A.

TITLE: Analysis of schematic diagrams of a locomotive gas-turbine prime-mover

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 2, 1962, 24–25, abstract 42.2.156. "Tr. Vses. n.-i. in-ta zh.-d. transp.", no 214, 1961, 19–28

TEXT: The installation of a regenerator increases the efficiency of a gas-turbine plant more than the installation of an air-cooler having the same surface area. In the first case the efficiency reaches 26.5%, while in the second — only 23%. The use of a second heat inlet increases significantly the efficiency of the gas-turbine plant. In this case also a regenerator is more effective than an air cooler. The installation of a regenerator in a two-shaft gas-turbine plant, between the turbine driving the compressor and the main turbine, decreases the specific work of the gas-turbine plant and higher π_k are needed; however the temperature head increases and the losses in the regenerator decrease. On the whole, this design of the gas-turbine plant does not show appreciable advantages. With gas temperatures of 1000-1100°K it is worthwhile to use a two-compressor gas-turbine plant in order to obtain an optimal value of π_k. The efficiency of the most advanced gas-turbine plant, which has a double heat-inlet, a regenerator and an air-cooler and whose main turbine is an intermediate or low pressure one, is 28–30%. Formulas for the determination of the percentage of regeneration and intercooling are obtained.

[Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

37919
S/262/62/000/006/007/021
I007/I207

Author Shevchenko, L. A.

Title DEPENDENCE OF THE FLOW CONDITIONS IN A TURBINE STAGE ON THE GENERAL OPERATING CHARACTERISTICS OF THE TURBINE

Periodical *Referativnyy zhurnal, otdel'nyy vypusk*. 42. *Silovye ustanovki*. no. 6. 1964. 34. abstract 42 6 178 ("*Tr. Vses. n.-i. in-ta zh.-d. transp.*", no. 214, 1961, 37-51)

Text Investigations have been carried out on the working process in a turbine stage under varying operating conditions, the study led to the conclusion that degree of reaction ρ, efficiency, and discharge are directly related to the variation of the discharge coefficient μ_{stage} [Abstractor's note: of the turbine stage] At a given ratio u/C_0, the values of ρ and μ_{stage} increase proportionally to the increase in the overall expansion ratio The establishing of this law made it possible to obtain simple expressions for the calculation of the working characteristics of the stage under varying operating conditions Experimental data confirmed this analytical law for μ_{stage} As was found by investigations, the discharge coefficient of the stage increases with the increase in the rotational speed and expansion ratio. The lower this ratio, the greater is the influence of the rotational speed on the value of μ_{stage} In the stages of the traction turbine of a gas-turbine locomotive, where it is important to ensure minimum power variation and a maximum torque-increase with the decrease in the

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rotational speed, it is more suitable to use small expansion ratios. Small values of the rotational speed, and positive angles of attack lead to an increase in the blade losses, which lowers the rate of increase of μ_{stage}. In traction turbines, it is therefore necessary to use blade profiles such as to ensure the required efficiency at positive angles of attack. There are 4 figures and 6 references.

[Abstractor's note: Complete translation.]

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

GROMOV, S.A., kand.tekhn.nauk; SHEVCHENKO, L.A., kand.tekhn.nauk

Gas-turbine locomotive with a.c. electric driving. Vest. TSNII MPS 20 no.5:17-22 '62. (MIRA 15:8)
(Gas-turbine locomotives--Electric driving)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A., kand.tekhn.nauk; LEVENTAL', L.Ya., inzh.

Selection of the principal parameters of the gas turbine of a locomotive with a mechanical transmission system. Trudy TSNII MPS no.241:5-19 '62. (MIRA 15:12)
(Gas turbines) (Locomotives)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A., kand.tekhn.nauk

Calculation of thermodynamic processes in gas turbine systems. Trudy TSNII MPS no.241:51-57 '62. (MIRA 15:12)
(Gas turbines)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A.; NOVICHKOVA, A.T.

Effect of antibiotics, neutralizing protein synthesis, on the reserve of free amino acids in cells of Mucor mucedo. Mikrobiologiia 34 no.5:757-762 S-O '65. (MIRA 18:10)

1. Institut fiziko-khimicheskoy biologii AN SSSR i Institut mikrobiologii AN SSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.A.; FILIPPOVICH, I.I.

Effect of antagonists of protein synthesis on the ribosomal apparatus of the yeast cell. Dokl. AN SSSR 161 no.6:1461-1464 Ap '65. (MIRA 18:5)

1. Institut biokhimii im. A.N.Bakha AN SSSR i Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR. Submitted October 13, 1964.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

L 45873-66

ACC NR: AP6013105 (A) SOURCE CODE: UR/0231/65/000/007/0006/0011

AUTHOR: Shevchenko, L. A. (Candidate of technical sciences); Gromov, S. A. (Candidate of technical sciences); Gukovskiy, G. Ye. (Engineer)

ORG: None

61
B

TITLE: Experimental gas-turbine train of TsNII MPS

SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta. Vestnik, no. 7, 1965, 6-11

TOPIC TAGS: railway transportation, railway vehicle data, railway equipment, gas turbine engine, electric generator, electric motor, locomotive

ABSTRACT: A general description of an experimental railway gas-turbine motor car with an a-c propulsion system is presented. The motor-car propulsion system consists of a gas-turbine engine, one 3-phase synchronous generator and two traction induction motors with rotors of squirrel cage type. The generator excitation system is fed from an exciter mounted on the turbocompressor shaft. The auxiliary generator used for feeding lighting and control circuits and for charging storage batteries is also mounted on the same shaft. The experimental research is conducted in two stages of which the first one covers the preliminary investigations with one motor car while the second stage deals with a two-car train. The data on the 350-hp gas-turbine engine, the 400-v, 450-amp, 50-cps generator

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UDC: 625.282-843.8

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L 45873-66

ACC NR: AP6013105

and 40/55-kw, 380-v induction motor are presented in tables. A general view of the motor car is shown in a photo. Electric circuit diagrams are presented for one-car and two-car versions. The arrangement of the equipment inside the motor car is also illustrated. The installation and operation of the equipment is discussed including the control of speed, reversal of rotation and brake actions. Speed-traction curves (experimental and theoretical) are established and plotted for a two-car train. It is concluded, that the investigated and tested propulsion system can successfully be used for electric railway traction. A further research and development of large gas-turbine motor cars and trains with an a-c propulsion system is strongly recommended. Orig. art. has: 5 figures.

SUB CODE: 13, 21,09/SUBM DATE: None/ ORIG REF: 003

Card 2/2 UCR

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

VOLKOV, A.S.; SHEVCHENKO, L.B.

Well deviation in diamond drilling in Canada; from the data of D.S. Robertson's "Some aspects of diamond drilling in the Blind River Camp". Canadian Mining Journal. Razved. i okh. nedr 29 no.11:61-63 N '63. (MIRA 17:12)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

MUSHIN, I.A.; SHEVCHENKO, L.B.; SHNEYERSON, M.B.

Characteristics of using the controlled directional sensitivity method in the eastern regions of the Russian Platform. Razved. geofiz no.2: 39-52 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

VOLKOV, A.S.; SHEVCHENKO, L.B.

Calculating the profile of a multi-bottom hole. Razved. i okh. nedr 30 no.4:25-29 Ap '64. (MIRA 17:12)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.F.

SMIRNOVA, M.F., VASIL'YEVA, V.L., SHEVCHENKO, L.F., SEREDA, V.N., SHAYKHET, G.Kh.

Study of the efficacy of vaccination against influenza. Vop.virus 3 no.2:107-108 Mr-Ap '58 (MIRA 11:5)

1. Kiyevskiy institut epidemiologii i mikrobiologii.
(INFLUENZA, immunology
vacc., evaluation (Rus))

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SMIRNOVA, M.F., starshiy nauchnyy rabotnik, TISHCHENKO, I.T., SHEVCHENKO, L.F., mladshiy nauchnyy sotrudnik

Incidence of influenza in Kiev during the pandemic of 1957. Vrach. delo no.8:827-831 Ag '58 (MIRA 11:8)

1. Kiyevskiy nauchno-issledovatel'skiy institut epidemiologii i mikrobiologii i gorodskaya sanitarno-epidemiologicheskaya stantsiya. 2. Starshiy epidemiolog gorodskoy sanitarno-epidemiologicheskoy stantsii (for Tishchenko).
(KIEV--ASIAN FLU)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.F., Cand Med Sci -- (diss) "Study of the biological properties of ~~the species of~~ influenza A ~~virus~~ strains virus isolated in Kiev in 1951-1957." Kiev, 1959, 16 pp (Kiev Order of Labor Red Banner Med Inst im Academician A.A. Bogomolets) 200 copies (KL, 33-59, 122)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

Shevchenko, L. F., Danileichenko, O. A., and Metelitsa, K. V.

Serological and clinical characteristics of epidemic hepatitis in children.

Materialy nauchnykh konferentsii, Kiev, 1959. 288pp
(Kievskiy Nauchno-issledovatel'skiy Institut Epidemiologii i Mikrobiologii)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SMIRNOVA, M.F.; SHEVCHENKO, L.F.

Comparative study on the biological properties of influenza virus strains in Kiev in 1957 and 1959. Vop.virus. 6 no.2:178-181 Mr-Ap '61. (MIRA 14:6)

1. Institut epidemiologii i mikrobiologii, Kiyev.
(KIEV--INFLUENZA)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

IYERUSALIMSKIY, N.O., GRISHANKOVA, YE.A., SHEVCHENKO, L.F.

Effect of streptomycin on metabolism in microbes."

Report submitted to the Intl. Congress for Microbiology
Montreal , Canada 19-25 Aug 1962

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.F.; PYASETSKAYA, Ye.N.; GORBACH, G.I.; SHUL'GA, O.Ye.

Study of outbreaks of epidemic hepatitis in two villages of Chernogov Province. Zhur.mikrobiol.,epid.i immun. 40 no.12:114 D '63.
(MIRA 17:12)

1. Iz Kiyevskogo instituta epidemiologii i mikrobiologii i Chernigovskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

USSR/Forestry - Forest Management. K-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20155

Author : Shevchenko, L.I.

Inst : The Ural Technical Forestry Institute.

Title : An Analysis of Economic Activity in the Restricted Areas of the Forests of Sverdlovskaya Oblast'.

Orig Pub : Sb. tr. po les. kh-vu. Ural'skiy lesotekhn. in-t, 1956, vyp. 3, 129-134.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SOV/68-58-10-15/25

AUTHORS: Kushnarenko, V.S. and Shevchenko, L.I.

TITLE: A Rapid Method of Analysis of Phenolates Obtained by Dephenolising Effluent Waters (Uskorennyy metod analiza fenolyatov ot obesfenolivaniya stochnykh vod)

PERIODICAL: Koks i Khimiya, 1958, Nr 10, pp 47 - 50 (USSR)

ABSTRACT: A refractometric method of determining phenolates obtained by dephenolising effluent waters was developed. The analysis consists of the determination of alkali according to ChMTU 5734-57 and refractive index of the sample tested, with subsequent calculation of the content of phenols from the preliminary prepared table. The table of the dependence of the refractive index of phenolates on the content of phenols at various alkali concentrations should be prepared on the basis of data obtained by calculations from "empirical" refractive indices of phenols, alkalis and admixtures. At all changes in the process of dephenolising which could change the content of admixtures, the table should be

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SOV/68-58-10-15/25

A Rapid Method of Analysis of Phenolates Obtained by Dephenolising Effluent Waters

recalibrated. A comparison of a number of results obtained by the proposed method with those obtained by the conventional bromine method is given in Table 3. A satisfactory agreement (over 50% of the determinations within a range of ± 0.2%) is daimed. There are 3 tables.

ASSOCIATION: Gubakhinskiy koksokhimicheskiy zavod
(Gubakha Coking Works)

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

ALYSHEV, Yu.M.; FITSNER, L.N.; SHEVCHENKO, L.I. (Moskva)

Electronic computers for automatic control of electric power led into electric-arc steel furnaces. Avtom.i telem. 20 no.2:206-210 F '59. (MIRA 12:3)

(Electric furnaces) (Automatic control)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

NOVIKOV, V.N.; TOLSTOV, L.K.; SEREBRYAKOVA, Ye.K.; SOKOLOV, B.M.; Prinimal uchastiye: Melent'yev, Yu.I.; KAPGER, V.S.; ZORCHENKO, I.F.; KARPOV, K.F.; Kushnarenko, V.S.; SHEVCHENKO, L.I.; TRIFONOVA, N. I.; PODZHUNAS, V.A.; MASLITSKAYA, M.P.

Obtaining industrial naphthalene from the centrifugal naphthalene of the Gubakha Coke and Coal Chemicals Plant. Koks i khim. no.8: 35-38 '62. (MIRA 17:2)

1. Vostochnyy uglekhimicheskiy institut (for Novikov, Tolstov, Serebryakova). 2. Gubakhinskiy koksokhimicheskiy zavod (for Sokolov).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.K.

Volga-Baltic Sea Waterway during the construction. Transp. stroi. 14 no.4:19-20 Ap '64. (MIRA 17:9)

1. Zamestitel' nachal'nika Volgobaltstroya.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SOV-21-58-9-14/28

AUTHORS: Babko, A.K., Academician of the AS UkrSSR, and Shevchenko, L.L.

TITLE: A Study of the System Cobalt Halogenide (Rhodanide) - Water in Organic Solvents (Izucheniye sistemy galogenid (rodanid) kobal'ta - voda v organicheskikh rastvoritelyakh)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 9, pp 970 - 973 (USSR)

ABSTRACT: The effect of water on the state of equilibrium of cobalt halogenide compounds has been studied in ten organic solvents. This effect is characterized by the concentration of water, denoted by $(H_2O)_{\frac{1}{2}}$, at which half the cobalt halogenide compound is dissociated and the initial optical density of the liquid reduced by half. In the given solvent, the different effects of water on the cobalt compounds with various halogens is explained by a decrease in the energy of the Co^{2+} - Hal^- bond in the series: $ScN^- > Cl^- > Br^- > I^-$ (where S denotes an organic solvent). The various solvents can be arranged by their $(H_2O)_{\frac{1}{2}}$ value in a series which characterizes the energy of the H_2O - solvent bond:

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

A Study of the System Cobalt Halogenide (Rhodanide) - Water in Organic Solvents

SOV-21-59-9-14/28

n-amyl < i.-amyl < n.-butyl < i.-butyl alcohol < ethyl acetate < i.-propyl alcohol < acetonitryl < acetone. There are: 1 graph, 1 table and 5 references, 3 of which are Soviet, 1 Polish and 1 American.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR (Institute of General and Inorganic Chemistry of the AS UkrSSR)

SUBMITTED: May 9, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration

1. Cobalt compound-water systems--Analysis 2. Organic solvents--Performance 3. Water--Chemical reactions 4. Chemical equilibruim

Card 2/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SOV/21-58-11-14/28

AUTHORS: Babko, A.K., Member of the AS UkrSSR, and Shevchenko, L.L.

TITLE: The Colorimetric Determination of Water in Some Organic Solvents by the Change in Color of Cobalt Halogenide Complexes (Kolorimetricheskoye opredeleniye vody v nekotorykh organicheskikh rastvoritelyakh po izmeneniyu okraski galogenidnykh kompleksov kobal'ta)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 11, pp 1212-1215 (USSR)

ABSTRACT: There are various methods for determining the amount of water in organic solvents, among which exist the colorimetric and spectrophotometric methods. The authors propose to use the change in the color of cobalt halogenides in the presence of water in some solvents, such as acetone, acetone-nitryl, ethyl acetate and methyl, ethyl, propyl, butyl and amyl alcohols. The authors made a comparison of various cobalt halogenides and found that the most sensitive reagent to water was cobalt iodide. As a reagent to water in methyl alcohol, the mixture of ammonium bromide and iron perchlorate (III) in a molar ratio of 3:1 is proposed. There are: 1 graph, 1 table and 6 references, 3 of which are Soviet, 1 French, 1 English and 1 Polish.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SOV/21-58-11-14/28

The Colorimetric Determination of Water in Some Organic Solvents by the Change in Color of Cobalt Halogenide Complexes

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR (Institute of General and Inorganic Chemistry of the AS UkrSSR)

SUBMITTED: June 21, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L. L., Cand of Chem Sci -- (diss) "The Effect of Water on the Formation ofCertain Colored Complexes in Organic Solvents," Kiev, 1959, 11pp (Institute of General and Inorganic Chemistry, Acad of Sci UkSSR) (KL, 2-60, 110)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

BABKO, A.K.; SHEVCHENKO, L.L.

Stability of halogen complexes of cobalt. Ukr.khim.zhur. 25 no.1:120-124 '59. (MIRA 12:4)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Cobalt halides)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2

SHEVCHENKO, L.L.

Determination of the dissociation constants of chloride, bromide, and water complexes of cobalt in isobutyl alcohol. Ukr. khim. zhur. 26 no.5:547-554 '60. (MIRA 13:11)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Cobalt compounds)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549210007-2"